

Name: _____ TP: _____

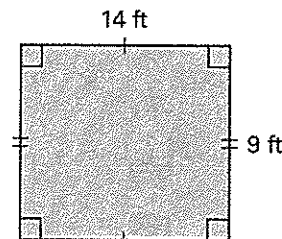
Form A

Failure to show work on all problems or use complete sentences will result in a LaSalle. Round to hundredths!

1) A square garden has a side measuring 22ft. How much fence is needed to enclose the garden?

- A. 44ft
- B. 88ft
- C. 484ft
- D. 484ft^2

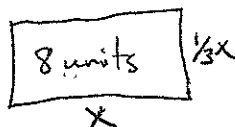
2) Find the perimeter and area of the figure. If necessary, round to the nearest tenth.



Perimeter: _____ Area: _____

3) Marble floor tiles are each 1-foot square. What is the minimum number of these tiles needed to tile the entire floor of a 10-foot-by-16-foot rectangular kitchen and a 11-foot-by-5-foot dining room?

4) A rectangle has a perimeter of 8 units. If the width of a rectangle is $\frac{1}{3}$ as long as the length, what is the length and width of the rectangle?



5) You are planting grass on a square plot of land. You are also building a fence around the edge of the plot. The side length of the plot is 54 feet.

a. How much area do you need to cover with grass seed?

b. How many feet of fencing do you need?

6) A park wants to put a fence around their soccer fields. Each field is 75 yards long and 55 yards wide.

a. How many yards of fencing will they need for 4 soccer fields? 1) find fencing needed for 1 field
2) multiply answer by 4

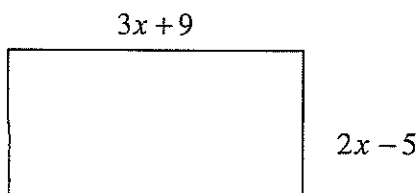
b. What is the area of each soccer field?

7) 1 cm by 1 cm corners have been cut out of the 7 cm by 4 cm figure below. Find the perimeter and area.



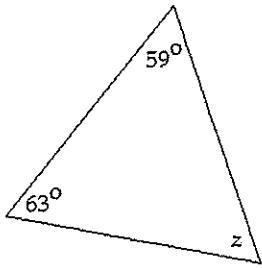
Area: _____
Perimeter: _____

8) What is the area of the rectangle below?

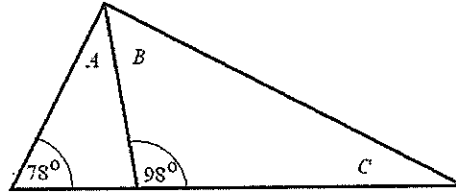


Sum of interior \angle 's of triangle = 180°

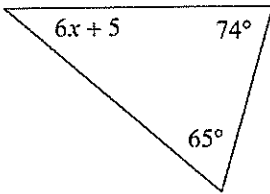
9) What is the value of z in the picture below?



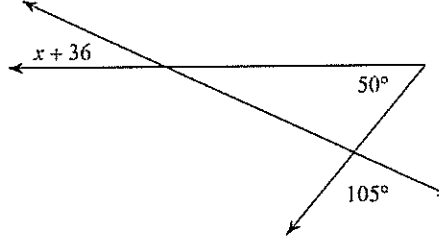
10) Find the measure of angles A, B and C.



11) Solve for x :



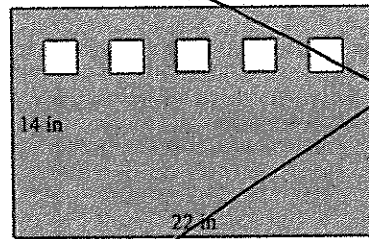
12) Solve for x :



13) A small highway billboard has dimensions 14 ft tall and 48 ft wide. For an extra fee, advertisers can purchase a large billboard whose dimensions are twice those of the small billboard. In square feet, what is the area of the large billboard?

This means double the l and width

14) A rectangular piece of wood (shown below) has five, 2 inch by 2 inch squares cut out of it. What is the new area of the rectangular piece of wood in square inches?



15) On a number line, the coordinate of point A is 25 and the coordinate of point B is -5. What is the coordinate of the midpoint of line segment AB?

16) What is the equation of the line that passes through (8,4) and is perpendicular to $16 = 2y + 4x$?

$$\frac{2y = -4x + 16}{2} \quad \frac{2}{2}$$

$$y = -2x + 8$$